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(FILE 'HOME' ENTERED AT 11:53:53 ON 15 DEC 2002)

FILE 'REGISTRY' ENTERED AT 11:54:04 ON 15 DEC 2002
L1 5793 (0.4<C<.5 AND 0.5<MN<.7 AND 50<FE) /MAC

FILE 'HCAPLUS' ENTERED AT 11:54:47 ON 15 DEC 2002
L2 25716 L1
L3 119280 (CARBON OR C) AND (MANGANESE OR MN) AND (IRON OR STEEL OR FE)
L4 4175 L2 AND L3
L5 151 SPHEROD?
L6 264670 SPH?
L7 130 L4 AND L6

FILE 'ZCA' ENTERED AT 11:57:10 ON 15 DEC 2002

FILE 'HCAPLUS' ENTERED AT 12:49:39 ON 15 DEC 2002
SELECT L7 IPC 9 11 12 14 15 17-20 23-27 31 36 38

FILE 'USPATFULL, USPAT2' ENTERED AT 12:49:49 ON 15 DEC 2002
L8 88 L7
L9 3 L8 AND (CARBIDE? AND FERRI? AND CEME? AND MARTEN?)
L10 85 L8 NOT L9
L11 52 L10 AND (CARBIDE?) AND (MARTEN? OR FERR? OR CEM?)

L Number	Hits	Search Text	DB	Time stamp
1	9	(spherodized spherodize) near1 (carbide martensite martensitic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 11:39
2	17	(spherodized spherodize) same (carbide martensite martensitic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 11:48
3	68	(ando near2 shoichi).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 11:49
4	1730	(ono near2 hiroshi).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 11:49
5	887	(kobayashi near2 tadashi).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 11:49
6	42	(kamikawa near2 mitsuru).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 11:50
7	0	(fukuda near2 fumio).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 11:50
8	20	(fukuda near2 fumio).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 11:51
9	0	(matsuura near2 eiki).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 11:51
10	0	((ando near2 shoichi).in.) ((ono near2 hiroshi).in.) ((kobayashi near2 tadashi).in.) ((kamikawa near2 mitsuru).in.) ((fukuda near2 fumio).in.) and ((spherodized spherodize) same (carbide martensite martensitic))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 11:52

L Number	Hits	Search Text	DB	Time stamp
1	109	((("3929523") or ("5830285") or ("6419761") or ("3936299") or ("3948649") or ("3989554") or ("4003715") or ("4011077") or ("4202710") or ("4282047") or ("4318733") or ("4407681") or ("4431445") or ("4461657") or ("4524046") or ("4578113") or ("4604145") or ("4702778") or ("4753691") or ("4842818") or ("4975242") or ("5035723") or ("5102619") or ("5152850") or ("5188659") or ("5194220") or ("5213634") or ("5252153") or ("5259887") or ("5290507") or ("5435824") or ("5476556") or ("5489416") or ("5501835") or ("5545267") or ("5549764") or ("5582657") or ("5643532") or ("5648044") or ("5698159") or ("5725690") or ("5879743") or ("5922145") or ("9628575") or ("5922149") or ("6086686") or ("6110300") or ("6203630") or ("6228184") or ("6273973") or ("6291079") or ("6358333") or ("6475305")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 15:18
2	1120	(spheroidize spheroidized spheroidization spheroidizing) same (carbide graphite)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 15:19
3	12	(((("3929523") or ("5830285") or ("6419761") or ("3936299") or ("3948649") or ("3989554") or ("4003715") or ("4011077") or ("4202710") or ("4282047") or ("4318733") or ("4407681") or ("4431445") or ("4461657") or ("4524046") or ("4578113") or ("4604145") or ("4702778") or ("4753691") or ("4842818") or ("4975242") or ("5035723") or ("5102619") or ("5152850") or ("5188659") or ("5194220") or ("5213634") or ("5252153") or ("5259887") or ("5290507") or ("5435824") or ("5476556") or ("5489416") or ("5501835") or ("5545267") or ("5549764") or ("5582657") or ("5643532") or ("5648044") or ("5698159") or ("5725690") or ("5879743") or ("5922145") or ("9628575") or ("5922149") or ("6086686") or ("6110300") or ("6203630") or ("6228184") or ("6273973") or ("6291079") or ("6358333") or ("6475305").PN.) and ((spheroidize spheroidized spheroidization spheroidizing) same (carbide graphite))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 15:25

4	111	((spheroidize spheroidized spheroidization spheroidizing) same (carbide graphite)) same cold	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 15:25
5	109	((spheroidize spheroidized spheroidization spheroidizing) same (carbide graphite)) same cold) not (((("3929523") or ("5830285") or ("6419761") or ("3936299") or ("3948649") or ("3989554") or ("4003715") or ("4011077") or ("4202710") or ("4282047") or ("4318733") or ("4407681") or ("4431445") or ("4461657") or ("4524046") or ("4578113") or ("4604145") or ("4702778") or ("4753691") or ("4842818") or ("4975242") or ("5035723") or ("5102619") or ("5152850") or ("5188659") or ("5194220") or ("5213634") or ("5252153") or ("5259887") or ("5290507") or ("5435824") or ("5476556") or ("5489416") or ("5501835") or ("5545267") or ("5549764") or ("5582657") or ("5643532") or ("5648044") or ("5698159") or ("5725690") or ("5879743") or ("5922145") or ("9628575") or ("5922149") or ("6086686") or ("6110300") or ("6203630") or ("6228184") or ("6273973") or ("6291079") or ("6358333") or ("6475305")).PN.) and ((spheroidize spheroidized spheroidization spheroidizing) same (carbide graphite)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 15:38

6	11	<p>((((spheroidize spheroidized spheroidization spheroidizing) same (carbide graphite)) same cold) not (((("3929523") or ("5830285") or ("6419761") or ("3936299") or ("3948649") or ("3989554") or ("4003715") or ("4011077") or ("4202710") or ("4282047") or ("4318733") or ("4407681") or ("4431445") or ("4461657") or ("4524046") or ("4578113") or ("4604145") or ("4702778") or ("4753691") or ("4842818") or ("4975242") or ("5035723") or ("5102619") or ("5152850") or ("5188659") or ("5194220") or ("5213634") or ("5252153") or ("5259887") or ("5290507") or ("5435824") or ("5476556") or ("5489416") or ("5501835") or ("5545267") or ("5549764") or ("5582657") or ("5643532") or ("5648044") or ("5698159") or ("5725690") or ("5879743") or ("5922145") or ("9628575") or ("5922149") or ("6086686") or ("6110300") or ("6203630") or ("6228184") or ("6273973") or ("6291079") or ("6358333") or ("6475305")).PN.) and ((spheroidize spheroidized spheroidization spheroidizing) same (carbide graphite)))) and (cold near2 (upsetting forge forgeability forgability))</p>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/15 15:39
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